

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-9 (Canceled).

Claim 10 (Previously Presented): Mobile route monitoring unit comprising:

a data memory configured to store route data with tolerance data;

a position sensor configured to indicate a position of the mobile route-monitoring unit;

a processor configured to indicate possible route deviations between a route defined by the route data and a current position of the route monitoring unit; and

a transmitter, which in an event of a route deviation, is configured to send a message to a control unit;

wherein the route data represents the route in a form of coordinates and assigned route vectors, and the tolerance data exists as authorized deviation values in a vertical direction of a next route vector, whereby a length of the route vectors and the authorized deviation values for all route vectors can be selected depending on the route and can be adjusted to the route.

Claim 11 (Previously Presented): Mobile route monitoring unit according to Claim 10, wherein the transmitter communicates by a GSM network voice channel.

Claim 12 (Previously Presented): Mobile route monitoring unit according to Claim 10, further comprising a data reception device to receive preset route data.

Claim 13 (Previously Presented): Mobile route monitoring unit according to Claim 12, wherein the data reception device includes a reader configured to read data from a changeable storage medium.

Claim 14 (Previously Presented): Mobile route monitoring unit according to Claim 12, wherein the data reception device includes a receiver configured to communicate by a voice channel of a GSM network.

Claim 15 (Previously Presented): Mobile route monitoring unit according to Claim 10, further comprising an input to receive preset route data.

Claim 16 (Previously Presented): Mobile route monitoring unit according to Claim 10, wherein the position sensor includes a GPS receiver.

Claim 17 (Previously Presented): Mobile route monitoring unit according to Claim 10, wherein the stored route data can be changed at any time.

Claim 18 (Currently Amended): Route monitoring system, comprising:

a mobile route monitoring unit ~~according to Claim 10~~, comprising:

a data memory configured to store route data with tolerance data;

a position sensor configured to indicate a position of the mobile route-monitoring unit;

a processor configured to indicate possible route deviations between a route defined by the route data and a current position of the route monitoring unit; and

a transmitter, which in an event of a route deviation, is configured to send a message to a control unit;

wherein the route data represents the route in a form of coordinates and assigned route vectors, and the tolerance data exists as authorized deviation values in a vertical direction of a next route vector, whereby a length of the route vectors and the authorized deviation values for all route vectors can be selected depending on the route and can be adjusted to the route;

wherein the route monitoring system comprises a device to process the route data.

Claim 19 (Currently Amended): Route monitoring system comprising:

a mobile route-monitoring unit ~~according to Claim 10,~~ comprising:

a data memory configured to store route data with tolerance data;

a position sensor configured to indicate a position of the mobile route-monitoring unit;

a processor configured to indicate possible route deviations between a route defined by the route data and a current position of the route monitoring unit; and

a transmitter, which in an event of a route deviation, is configured to send a message to a control unit;

wherein the route data represents the route in a form of coordinates and assigned route vectors, and the tolerance data exists as authorized deviation values in a vertical direction of a next route vector, whereby a length of the route vectors and the authorized deviation values for all route vectors can be selected depending on the route and can be adjusted to the route;

wherein the route monitoring system comprises a receiver assigned to the transmitter.

IN THE DRAWINGS

The attached sheet of drawings includes changes to Fig. 3. This sheet, which includes Fig. 3, replaces the original sheet including Fig. 3.

Attachment: Replacement Sheet